Amendments to the Claims

Claim 1 (Currently amended):	Seed of hybrid maize variety designated X1139Y,
representative seed of said variety ha	ving been deposited under ATCC Accession number
[[]] <u>PTA-5455</u> .	
Claim 2 (Previously presented):	A maize plant, or its parts a part thereof, produced by
growing the seed of claim 1.	
Claim 3 (Original): Pollen of the p	plant of claim 2.
Claim 4 (Original): An ovule of th	e plant of claim 2.
Claims 5-76 (Canceled)	
Claim 77 (Previously presented):	A tissue culture of regenerable cells produced from the
plant of claim 2.	
Claim 78 (Previously presented):	Protoplasts produced from the tissue culture of claim 77.
Claim 79 (Previously presented):	The tissue culture of claim 77, wherein cells of the tissue
culture are from a tissue selected from	m the group consisting of leaf, pollen, embryo, root, root tip,
anther, silk, flower, kernel, ear, cob,	husk and stalk.
Claim 80 (Currently amended):	A maize plant regenerated from the tissue culture of claim
77, said plant having all the morphol	ogical and physiological characteristics of hybrid maize
plant X1139Y, representative seed of	f said plant having been deposited under ATCC Accession
No. [[]] <u>PTA-5455</u> .	

Claim <u>8281</u> (Currently amended): A method for producing an F1 hybrid maize seed, comprising crossing the plant of claim 2 with a different maize plant and harvesting the resultant F1 hybrid maize seed.

Claim <u>8382</u> (Currently amended): A method of producing a male sterile hybrid maize plant comprising transforming at least one of inbred maize parent plants GE565937 and GE502199, representative samples of which have been deposited as [[______ and _____]]PTA-5523 and PTA-607 respectively, with a nucleic acid molecule that confers male sterility and crossing said inbred maize parent plants to produce said male sterile hybrid maize plant.

Claim 8483 (Currently amended): A male sterile maize hybrid plant produced by the method of claim 8382.

Claim <u>8584</u> (Currently amended): A method of producing an herbicide resistant hybrid maize plant comprising transforming at least one of inbred maize parent plants GE565937 and GE502199, representative samples of which have been deposited as [[_____ and ____]]

PTA-5523 and PTA-607 respectively, with a transgene that confers herbicide resistance to generate an herbicide resistant inbred maize parent plant and crossing said inbred maize parent plants to produce said herbicide resistant hybrid maize plant.

Claim <u>8685</u> (Currently amended): An herbicide resistant hybrid maize plant produced by the method of claim <u>8584</u>.

Claim 8786 (Currently amended): The herbicide resistant hybrid maize plant of claim 8685, wherein the transgene confers resistance to an herbicide selected from the group consisting of: imidazolinone, sulfonylurea, glyphosate, glufosinate, L-phosphinothricin, triazine and benzonitrile.

Claim <u>8887</u> (Currently amended): A method of producing an insect resistant hybrid maize plant comprising transforming at least one of inbred maize parent plants GE565937 and

GE502199, representative samples of	of which have been deposited as [[and]]
PTA-5523 and PTA-607 respectivel	y, with a transgene that confers insect re	esistance to	generate
an insect resistant inbred maize pare	ent plant and crossing said inbred maize	parent plan	its to
produce said insect resistant hybrid	maize plant.		
Claim 8988 (Currently amended):	An insect resistant maize plant produc	ed by the n	nethod of
claim 88 <u>87</u> .		,	
Claim 9089 (Currently amended):	The insect resistant maize plant of cla	im 89 88, w	herein the
transgene provides a Bacillus thurin	giensis endotoxin.		
Claim 9190 (Currently amended):	A method of producing a disease resis	tant hybrid	maize
plant comprising transforming at lea	ast one of inbred maize parent plants GE	3565937 an	d
GE502199, representative samples of	of which have been deposited as [[and]]
PTA-5523 and PTA-607 respectively	y, with a transgene that confers disease	resistance t	to generate
a disease resistant inbred maize pare	ent plant and crossing said inbred maize	parent plar	nts to
produce said disease resistant hybrid	d maize plant.		
Claim 9291 (Currently amended):	A disease resistant hybrid maize plant	produced b	y the
method of claim 9190.	,		
Claim 9392 (Currently amended):	A method of producing a hybrid maize	e plant with	decreased
phytate content comprising transform	ming at least one of inbred maize parent	t plants GE:	565937
and GE502199, representative samp	oles of which have been deposited as [[_	and	i]]
PTA-5523 and PTA-607 respective	ly, with a transgene encoding phytase to	generate a	n inbred
maize parent plant with decreased p	hytate content and crossing said inbred	maize parei	nt plants to
produce said hybrid maize plant tha	t confers decreased phytate content.		
Claim 9493 (Currently amended):	A hybrid maize plant with decreased p	hytate cont	tent
produced by the method of claim 93	9 <u>92</u> .		

Claim 9594 (Currently amended): A method of producing a hybrid maize plant with modified				
fatty acid metabolism or modified carbohydrate metabolism comprising transforming at least one				
of inbred maize parent plants GE565937 and GE502199, representative samples of which have				
been deposited as [[and]]PTA-5523 and PTA-607 respectively, with a transgene				
encoding a protein selected from the group consisting of stearyl-ACP desaturase,				
fructosyltransferase, levansucrase, alpha-amylase, invertase and starch branching enzyme to				
generate an inbred maize parent plant with modified fatty acid metabolism or modified				
carbohydrate metabolism and crossing said inbred maize parent plants to produce said hybrid				
maize plant that confers modified fatty acid metabolism or modified carbohydrate metabolism.				
Claim 9695 (Currently amended): A hybrid maize plant produced by the method of claim				
95 <u>94</u> .				
Claim 9796 (Currently amended): The hybrid maize plant of claim 9695, wherein the				
transgene confers a trait selected from the group consisting of waxy starch and increased amylose				
starch.				
Claim 9897 (Currently amended): A maize plant, or <u>a</u> part thereof, having all the				
physiological and morphological characteristics of the hybrid maize plant X1139Y,				
representative seed of said plant having been deposited under ATCC Accession No.				
[[]] <u>PTA-5455</u> .				
Claim 9998 (Currently amended): A method of introducing a desired trait into a hybrid maize				
line variety X1139Y comprising:				
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(a) crossing at least one of inbred maize parent plants GE565937 and GE502199,				
representative samples of which have been deposited under ATCC Accession Nos. as [[
and]PTA-5523 and PTA-607 respectively, with another maize line that comprises a				
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desired trait, to produce F1 progeny plants, wherein the desired trait is selected from the group				
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(b) selecting said F1 progeny plants that have the desired trait to produce selected F1 progeny plants;

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- (c) backcrossing the selected progeny plants with said inbred maize parent plant to produce backcross progeny plants;
- (d) selecting for backcross progeny plants that have the desired trait and morphological and physiological characteristics of said inbred maize parent plant;
- (e) repeating steps (c) and (d) three or more times in succession to produce selected fourth or higher backcross progeny plants;
- (f) crossing said fourth or higher backcross progeny plant with the other inbred maize parent plant to generate a hybrid maize line variety X1139Y with the desired trait and all of the morphological and physiological characteristics of hybrid maize line variety X1139Y listed in Table 1 as determined at the 5% significance level when grown in the same environmental conditions.

Claim 10099 (Currently amended): A plant produced by the method of claim 9998, wherein the plant has the desired trait and all of the physiological and morphological characteristics of hybrid maize line variety X1139Y listed in Table 1 as determined at the 5% significance level when grown in the same environmental conditions.

Claim 101100 (Currently amended): The plant of claim 10099 wherein the desired trait is herbicide resistance and the resistance is conferred to an herbicide selected from the group consisting of: imidazolinone, sulfonylurea, glyphosate, glufosinate, L-phosphinothricin, triazine and benzonitrile.

Claim 102101 (Currently amended): The plant of claim 10099 wherein the desired trait is insect resistance and the insect resistance is conferred by a transgene encoding a *Bacillus thuringiensis* endotoxin.

Claim 103102 (Currently amended): The plant of claim 10099 wherein the desired trait is male sterility and the trait is conferred by a cytoplasmic nucleic acid molecule that confers male sterility.

Claim 104103 (Currently amended): A method of modifying fatty acid metabolism, phytic acid metabolism or carbohydrate metabolism in a hybrid maize line variety X1139Y comprising:

- (a) crossing at least one of inbred maize parent plants GE565937 and GE502199, representative samples of which have been deposited under ATCC Accession Nos. as
 [[_____and ____]] PTA-5523 and PTA-607 respectively, with another maize line that
 comprise comprises a nucleic acid molecule encoding an enzyme selected from the group
 consisting of phytase, stearyl-ACP desaturase, fructosyltransferase, levansucrase, alpha-amylase,
 invertase and starch branching enzyme;
- (b) selecting said F1 progeny plants that have said nucleic acid molecule to produce selected F1 progeny plants;
- (c) backcrossing the selected progeny plants with said inbred maize parent plant to produce backcross progeny plants;
- (d) selecting for backcross progeny plants that have said nucleic acid molecule and morphological and physiological characteristics of said inbred maize parent plant;
- (e) repeating steps (c) and (d) three or more times in succession to produce selected fourth or higher backcross progeny plants;
- (f) crossing said fourth and higher backcross progeny plant with the other inbred maize parent plant to generate a hybrid maize line variety X1139Y that comprises said nucleic acid molecule and has all of the morphological and physiological characteristics of hybrid maize line variety X1139Y listed in Table 1 as determined at the 5% significance level when grown in the same environmental conditions.

Claim 105104 (Currently amended): A plant produced by the method of claim 104103, wherein the plant comprises the nucleic acid molecule and has all of the physiological and morphological characteristics of hybrid maize line variety X1139Y listed in Table 1 as determined at the 5% significance level when grown in the same environmental conditions.

Claim 106105 (Currently amended): A method for producing a maize seed, comprising crossing the plant of claim 2 with itself or a different maize plant and harvesting the resultant maize seed.